

PE NUMBER: 0603856F

UNCLASSIFIED

PE TITLE: Air Force/NRO Partnership (AFNP)

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>								DATE <b>February 1999</b>		
BUDGET ACTIVITY <b>4 - Demonstration and Validation</b>				PE NUMBER AND TITLE <b>0603856F Air Force/NRO Partnership (AFNP)</b>				PROJECT <b>4782</b>		
COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
4782 Air Force/NRO Partnership	0	2,107	2,905	3,371	4,414	8,808	3,330	0	0	39,850
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

Note: Funding for Discoverer II MTI Demonstration program was transferred to Program Element 63401F, Advanced Spacecraft Technology.

(U) **A. Mission Description**

(U) The Air Force/National Reconnaissance Office (NRO) Partnership program provides resources to identify areas for integration of Air Force, NRO, and national space efforts. Better partnering between the Air Force and the NRO will help revolutionize and operationalize space leading into the 21<sup>st</sup> century. Program resources will be used to conduct joint demonstrations, operations, resource assessments, space activities, and support to the AF/NRO Integration Planning Group (ANIPG).

(U)The NRO budgets equal FY or aggregate FYDP funds for projects mutually agreed upon between the Air Force and the NRO for joint AF/NRO projects. This reflects the 50/50 cost sharing ratio established for this program element. NRO funds are reported within their Intelligence Program Objective Memorandum (IPOM) submission.

(U) The AF-NRO Integration Planning Group (ANIPG) is established to ensure the AF-NRO Partnership is completely satisfied by promoting the integration of AF and NRO space activities. The ANIPG develops and submits recommendations for mutual agreement and implementation to HQ USAF and NRO staffs and leadership on policy, plans, programs, requirements, architectures, acquisition and resources applicable to integrating AF and NRO space activities.

(U) The second project funded in this PE is to develop a processing capability designed to exploit the Space Based IR System (SBIRS) sensor data for the Technical Intelligence (TI) mission. This will assist in satisfying SBIRS High Operational Requirements Document (ORD) threshold requirements for real time technical intelligence. The ORD dictates a Technical Intelligence (TI) backup center which will provide remotely controlled TI pre-processing at remote ground stations and integrate SBIRS data with other intelligence source data.

Project 4782
Page 1 of 6 Pages
Exhibit R-2 (PE 0603856F)

UNCLASSIFIED

## UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE February 1999
BUDGET ACTIVITY <b>4 - Demonstration and Validation</b>	PE NUMBER AND TITLE <b>0603856F Air Force/NRO Partnership (AFNP)</b>	PROJECT <b>4782</b>
<p>(U) <u>FY 1998 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>– (U) \$0 Not Applicable</li> </ul> <p>(U) <u>FY 1999 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>– (U) \$ 838 Technical support to the AF/NRO Integration Planning Group charged with identifying areas and developing options for integration and cooperation between the Air Force and the National Reconnaissance Office (NRO) and developing greater R&amp;D, operations and program synergy between the Air Force an the NRO.</li> <li>– (U) \$ 1,200 Develop processing capability to exploit SBIRS sensor data for TI</li> <li>– (U) \$ 69 Identified as a source for SBIR</li> <li>– (U) \$ 2,107 Total</li> </ul> <p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>– (U) \$ 2,015 Technical support to the AF/NRO Integration Planning Group charged with identifying areas and developing options for integration and cooperation between the Air Force and the National Reconnaissance Office (NRO) and developing greater R&amp;D, operations and program synergy between the Air Force an the NRO.</li> <li>– (U) 890 Develop processing capability to exploit SBIRS sensor data for TI</li> <li>– (U) \$ 2,905 Total</li> </ul> <p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>– (U) \$ 1,821 Technical support to the AF/NRO Integration Planning Group charged with identifying areas and developing options for integration and cooperation between the Air Force and the National Reconnaissance Office (NRO) and developing greater R&amp;D, operations and program synergy between the Air Force an the NRO.</li> <li>– (U) \$ 1,550 Develop processing capability to exploit SBIRS sensor data for TI</li> <li>– (U) \$ 3,371 Total</li> </ul>		
Project 4782	Page 2 of 6 Pages	Exhibit R-2 (PE 0603856F)

**UNCLASSIFIED**

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999			
BUDGET ACTIVITY <b>4 - Demonstration and Validation</b>				PE NUMBER AND TITLE <b>0603856F Air Force/NRO Partnership (AFNP)</b>				PROJECT <b>4782</b>			
<b>(U) B. Budget Activity Justification:</b>											
(U) This PE is in Budget Activity 4 (Demonstration and Validation AKA Program Definition and Risk Reduction) because the nature of the projects will involve testing and demonstrating new cooperative efforts.											
<b>(U) C. Program Change Summary (\$ in Thousands)</b>											
		<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>					
(U) Previous President's Budget (FY 1999 PB)		0	17,645	0	0	39,850					
(U) Appropriated Value			17,645								
(U) Adjustments to Appropriated Value											
a. Cong Reductions			-59								
b. SBIR											
c. Omnibus or Other Above Threshold Reprogram											
d. Below Threshold Reprogramming											
(U) Adjustments to Budget Years Since FY 1999 PB			-15,479	+2,905	+3,371						
(U) Current Budget Submit/FY 2000 PB		0	2,107	2,905	3,371	39,850					
<b>(U) Significant Program Changes:</b>											
FY99: Funding for Discoverer II MTI Demonstration program was transferred to Program Element 63401F, Advanced Spacecraft Technology. \$69K Identified as a source for SBIR											
FY00 and FY01 funding provided to support the AFNRO Partnership activities to include technical support for the AF/NRO Integration Planning Group and to develop a processing capability to exploit SBIRS sensor data for Technical Intelligence.											
<b>(U) D. Other Program Funding Summary (\$ in Thousands)</b>											
		<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To <u>Compl</u>	Total <u>Cost</u>
(U) Not Applicable											

Project 4782

Page 3 of 6 Pages

Exhibit R-2 (PE 0603856F)

**UNCLASSIFIED**

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)											DATE February 1999					
BUDGET ACTIVITY					PE NUMBER AND TITLE							PROJECT				
4 - Demonstration and Validation					0603856F Air Force/NRO Partnership (AFNP)							4782				
(U) E. <u>Acquisition Strategy</u> :																
(U) All major contracts awarded within this program will be awarded following full and open competition.																
(U) F. <u>Schedule Profile</u>																
	<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Rapid Targeting Support Workshop				*												
High Capacity Comms Workshop					*		X									
Combat ID Workshop						X										
EAF-NRO Operations						X										
Multi-mission Satellites Exploration					*	X										
Multi-mission CONOPS Development							X	X								
Battlespace Awareness							X	X								
Launch and Range Operations								X	X							
Common Ground Station								X	X							
Space Staff Meeting					*	X	X	X	X	X	X	X	X	X	X	X
* = Completed Event X = Planned Event																

Project 4782

Page 4 of 6 Pages

Exhibit R-2 (PE 0603856F)

## UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 1999				
BUDGET ACTIVITY <b>4 - Demonstration and Validation</b>					PE NUMBER AND TITLE <b>0603856F Air Force/NRO Partnership (AFNP)</b>				PROJECT <b>4782</b>		
<b>(U) A. <u>Project Cost Breakdown (\$ in Thousands)</u></b>											
					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>			
(U) Technical support to the AF/NRO Integration Plng Gp					0	838	2,015	1,821			
(U) Develop processing capability to exploit SBIRS sensor data						1,200	890	1,550			
(U) Identified as a source for SBIR						69					
(U) Total						2,107	2,905	3,371			
<b>(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u></b>											
<b>Performing Organizations:</b>											
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
Identified as a source for SBIR							69				
<u>Product Development Organizations</u>											
(U) SMC	MIPR	12/98	TBD	TBD	0	0	1,200	890	1,550	10,300	13,940
<u>Support and Management Organizations</u>											
(U) ANIPG	MIPR	10/98	TBD	TBD	0	0	907	2,015	1,821	6,252	10,995
<u>Test and Evaluation Organizations</u>											
Not Applicable											
<b>Government Furnished Property:</b>											
None											
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <span>Project 4782</span> <span>Page 5 of 6 Pages</span> <span>Exhibit R-3 (PE 0603856F)</span> </div>											

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